

ABSTRACT

A method for controlling long seeking operation in an optical disc drive is provided. The optical disc drive includes a sled actuator, a pickup head installed on the sled actuator for reading and/or writing data in an optical disc, and a controller for controlling the sled actuator to move together with the pickup head. The method includes the steps of (a) receiving remaining tracks information indicating a number of tracks remained to be crossed by the sled actuator and/or the pickup head; (b) receiving velocity information indicating a velocity of the sled actuator and/or the pickup head; (c) receiving acceleration information indicating an acceleration of the sled actuator and/or the pickup head; (d) driving the sled actuator to move according to the remaining tracks information, the velocity information, and the acceleration information.